



IPW

PTO/SB/21 (09-04)

TRANSMITTAL FORM

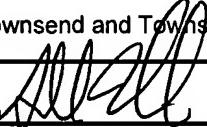
(to be used for all correspondence after initial filing)

		Application Number	10/643,774
		Filing Date	August 18, 2003
		First Named Inventor	Gardner, James
		Art Unit	2631
		Examiner Name	Unassigned
Total Number of Pages in This Submission	3	Attorney Docket Number	021245-9.00US

ENCLOSURES (Check all that apply)

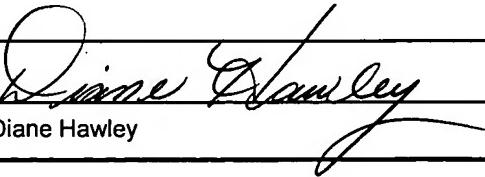
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Return Postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
	<input type="checkbox"/> CD, Number of CD(s) _____	
	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Townsend and Townsend and Crew LLP		
Signature			
Printed name	Ardeshir Tabibi		
Date	November 1, 2004	Reg. No.	48,750

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name	Diane Hawley	Date	November 1, 2004



PATENT
Attorney Docket No.: 021245-9.00US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

JAMES GARDNER et al.

Application No.: 10/643,774

Filed: August 18, 2003

For: SEARCH-EFFICIENT MIMO
TRELLIS DECODER

Examiner: Unassigned

Art Unit: 2631

INFORMATION DISCLOSURE
STATEMENT UNDER
37 CFR §1.97 and §1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

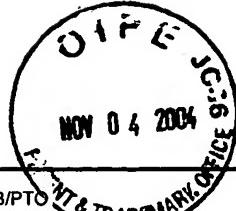
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicants believe that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Ardeshir Tabibi
Reg. No. 48,750

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 650-326-2400
Fax: 650-326-2422
AT:deh
60346423 v1



Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number	10/643,774
Filing Date	August 18, 2003
First Named Inventor	Gardner, James
Art Unit	2631
Examiner Name	Unassigned

Attorney Docket Number 021245-9.00US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BC	Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets Part I," IEEE Communications Magazine, Vol. 25, No. 2, February 1987	
	BD	Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets Part II," IEEE Communications Magazine, Vol. 25, No. 2, February 1987	
	BE	Viterbi, "Error Bounds for Convolutional Codes and an Asymptotically Optimum Decoding Algorithm," IEEE Trans. on Information Theory, Vol. IT-13, No. 2, April 1967	
	BF	G. D. Forney, Jr., "Maximum-Likelihood Sequence Detection in the Presence of Intersymbol Interference," IEEE Trans. on Information Theory, Vol. IT-18, No. 3, pp. 363-378, May 1972	
	BG	G. D. Forney, Jr., "The Viterbi Algorithm," IEEE Proceedings, Vol. 61, pp. 268-278, No. 3, March 1973	
	BH		
	BI		
	BJ		
	BK		
	BL		
	BM		

Examiner Signature	Date Considered
--------------------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.